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Pedain

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(54) **LABORATORY SAMPLE DISTRIBUTION
SYSTEM AND LABORATORY AUTOMATION
SYSTEM**

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(57) **ABSTRACT**

A laboratory sample distribution system is presented. The system comprises sample container carriers carrying a sample container and comprising a magnetically active device. The system also comprises a transport plane supporting the sample container carriers and comprises drive modules comprising first line shaped conductors extending in a first direction and arranged parallel to each other and second line shaped conductors extending in a second direction and arranged parallel to each other. The system comprises a driver electrically connected to each of the first and second conductors of the drive modules. The driver selectively applies a drive current and/or voltage to the first and second conductors such that a conductor current results in the conductors driven by the drive current and/or voltage. The conductor current selectively causes a drive force to the sample container carriers such that the sample container carriers move along individual transport paths on the transport plane.

11 Claims, 1 Drawing Sheet

